

APPLICATION FOR PERMIT **50281**  
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office OCT 14 1986

Returned to applicant for correction \_\_\_\_\_

Corrected application filed \_\_\_\_\_

Map filed \_\_\_\_\_

The applicant Trans-Pacific Geothermal Corporation  
1330 Broadway, Suite 1525, of Oakland,  
Street and No. or P.O. Box No. City or Town

CA 94612, hereby make S. application for permission to appropriate the public  
State and Zip Code No.  
waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Incorporated 10/15/85 at Reno, Nevada

1. The source of the proposed appropriation is the Stillwater geothermal reservoir  
Name of stream, lake, spring, underground or other source

2. The amount of water applied for is 3.6 second-feet  
One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet n/a

3. The water to be used for Geothermal & Industrial  
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated \_\_\_\_\_

(b) Stockwater, state number and kinds of animals to be watered \_\_\_\_\_

(c) Other use (describe fully under "No. 12. Remarks" \_\_\_\_\_

(d) Power:

(1) Horsepower developed 10 MW electric

(2) Point of return of water to stream spent geothermal brine will be reinjected into  
geothermal reservoir

5. The water is to be diverted from its source at the following point located in the NW $\frac{1}{4}$  of NW $\frac{1}{4}$  Sec. 7,  
Describe as being within a 40-acre subdivision of public

T. 19 N., R. 31 E., MDB&M; from said point the NE corner of Sec. 1, T. 19 N., R. 30 E.,  
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.

MDB&M bears N 09° 50' 41" W. a distance of 5676.02 feet.

6. Place of use See Exhibit "A" attached.  
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about Jan 1 and end about Dec. 31, of each year.  
Month and Day Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) Geothermal well as per attached schematic  
State manner in which water is to be diverted, i.e. diversion structure, ditches and  
diagram. Well will produce by self-induced flashed flow.  
flumes, drilled well with pump and motor, etc.

9. Estimated cost of works \$250,000.00

10. Estimated time required to construct works 30 days  
If well completed, describe works.
11. Estimated time required to complete the application of water to beneficial use 1 year

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

Produced water will be used to operate a hybrid flashed steam-binary power plant. 10% of the produced fluid will be consumed in the power plant cooling tower. 90% of the produced fluid will be reinjected into the geothermal reservoir. The total annual consumptive use will be 774 acre-feet.

By William T. Teplow  
1330 Broadway, Suite 1525  
Oakland CA 94612

Compared jjk/bl

Protested \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_ OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed \_\_\_\_\_ cubic feet per second.

Work must be prosecuted with reasonable diligence and be completed on or before \_\_\_\_\_

Proof of completion of work shall be filed before \_\_\_\_\_

Application of water to beneficial use shall be made on or before \_\_\_\_\_

Proof of the application of water to beneficial use shall be filed on or before \_\_\_\_\_

Map in support of proof of beneficial use shall be filed on or before \_\_\_\_\_

Completion of work filed \_\_\_\_\_ IN TESTIMONY WHEREOF, I \_\_\_\_\_

State Engineer of Nevada, have hereunto set my hand and the seal of


Proof of beneficial use filed \_\_\_\_\_

my office, this \_\_\_\_\_ day of \_\_\_\_\_,

Cultural map filed \_\_\_\_\_

A.D. 19 \_\_\_\_\_

Certificate No. \_\_\_\_\_ Issued \_\_\_\_\_

 218 (Rev.)

CANCELLED **NOV 20 1986** BECAUSE OF FAILURE  
 OF APPLICANT TO SUBMIT STATUTORY FEES.

William T. Teplow STATE ENGINEER  
*See Ruling # 3399* *JK*

EXHIBIT A

## No. 6 - Place of Use

Sec. 15, 16, E $\frac{1}{2}$  of E $\frac{1}{2}$  & SW $\frac{1}{4}$  of SE $\frac{1}{4}$  & S $\frac{1}{2}$  of SW $\frac{1}{4}$ , Sec. 17;  
E $\frac{1}{2}$  of NE $\frac{1}{4}$  & SE $\frac{1}{4}$  of SE $\frac{1}{4}$ , Sec. 19; Sec. 20, 21, W $\frac{1}{2}$ , Sec. 22;  
NW $\frac{1}{4}$  of NW $\frac{1}{4}$ , Sec. 27; W $\frac{3}{4}$  & E $\frac{1}{2}$  of NE $\frac{1}{4}$ , Sec. 28; Sec. 29;  
E $\frac{3}{4}$  Sec. 30; Sec. 31, 32; W $\frac{1}{2}$  of W $\frac{1}{2}$  & NE $\frac{1}{4}$  of NW $\frac{1}{4}$ , Sec. 33,  
T 20 N, R 31 E, MDB&M.

SW $\frac{1}{4}$  & S $\frac{1}{2}$  of SE $\frac{1}{4}$ , Sec. 36, T 20 N, R 30 E, MDB&M

Sec. 1; S $\frac{1}{2}$  & E $\frac{1}{2}$  of NE $\frac{1}{4}$ , Sec. 2; E $\frac{1}{2}$  & SW $\frac{1}{4}$ , Sec. 11; Sec. 12,  
13, 14; E $\frac{3}{4}$  & W $\frac{1}{2}$  of SW $\frac{1}{4}$  & SW $\frac{1}{4}$  of NW $\frac{1}{4}$ , Sec. 23; Sec. 24;  
W $\frac{3}{4}$  & E $\frac{1}{2}$  of NE $\frac{1}{4}$  & NE $\frac{1}{4}$  of SE $\frac{1}{4}$ , Sec. 26; Sec. 27; E $\frac{1}{2}$  of E $\frac{1}{2}$ ,  
Sec. 28, T 19 N, R 30 E, MDB&M.

W $\frac{1}{2}$  of NW $\frac{1}{4}$  & NW $\frac{1}{4}$  of SW $\frac{1}{4}$ , Sec. 4; Sec. 5, 6, 7, 8; NW $\frac{1}{4}$  of NW $\frac{1}{4}$   
& S $\frac{1}{2}$  of NW $\frac{1}{4}$ , Sec. 17; W $\frac{3}{4}$  & E $\frac{1}{2}$  of NE $\frac{1}{4}$  & NE $\frac{1}{4}$  of SE $\frac{1}{4}$  Sec. 18;  
W $\frac{1}{2}$  of NW $\frac{1}{4}$  & NW $\frac{1}{4}$  of NE $\frac{1}{4}$  & S $\frac{1}{2}$  of NE $\frac{1}{4}$  Sec. 19, T 19 N, R 31 E,  
MDB&M.

